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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/848,283	05/04/2001	Tae Hoon Lee	K-281	7689
34610 7	590 04/07/2003			
FLESHNER & KIM, LLP			EXAMINER	
P.O. BOX 221 CHANTILLY,			BERCK, KENNETH A	
•			ART UNIT	PAPER NUMBER
			2879	<u></u>
DATE MAILED: 04/07/2003				

Please find below and/or attached an Office communication concerning this application or proceeding.

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	09/848,283	TAE HOON LEE				
Office Action Summary	Examiner	Art Unit				
THE REAL PLOT DATE of the communication of	Ken A Berck	2879	ddrocs			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	luress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status						
1) Responsive to communication(s) filed on <u>04 l</u>	December 2002 .					
,	is action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-21 is/are pending in the application	1.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-21</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on <u>04 May 2001</u> is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) ☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
1. ☐ Certified copies of the priority document	ts have been received.					
2. Certified copies of the priority document	ts have been received in Applicat	ion No				
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).						
	* See the attached detailed Office action for a list of the certified copies not received.					
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	y (PTO-413) Paper N Patent Application (P				

DETAILED ACTION

Amendment A, filed Dec 4, 2002, has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Reyal (US 5,898,259).

Regarding claims 1, 7, 11 and 17-19, Reyal discloses (fig 1, 7, 9, 11 and 13) a tension mask assembly with a tension mask having electron beam through holes, at least one sub-frame for tensioning the tension mask, main frames welded to the tension mask, bent at a middle portion in a width direction, and has a portion perpendicular to the tension mask defining a partition and another portion opposite to the tension mask defining a lower plane, and the widths of a middle portion and of both ends of the lower plane are formed in the range of the equation 0<(w1-w2/w2)<=1.

Regarding claim 2, Reyal discloses (fig 1, 7, 9, 11 and 13) a support bent from the lower plane to support the partition at the outer edge, and the widths of a middle portion and of both ends of the lower plane are formed in the range of the following equation, 0<(y1-y2/y2)<=1.

Regarding claims 3 and 20-21, Reyal discloses (fig 7) widths of the middle portion and both ends of the support are formed in the range of 0<(d1-d2/d2)<=1.

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Regarding claims 4 and 8, Reyal discloses (fig 1) the electron beam through holes are shaped as a grill.

Regarding claims 5, 9 and 14, Reyal discloses the main frames are welded to the at least one subframe.

Regarding claims 6, 10 and 13, Reyal discloses the shape of the lower plane is one of curved, rounded, rectangular, triangular, or any combination thereof.

Regarding claim 12, Reyal discloses the width of a middle portion of the lower plane is greater than a width of edge portions of the lower plane.

Regarding claim 15, Reyal discloses each of the main frames comprises a third portion bent from the lower plane and configured to support the first portion, the main frame having a triangular cross section.

Regarding claim 16, Reyal discloses (fig 7c) the width of a middle portion of the third portion is greater than a width of the edge portions of the third portion.

Response to Arguments

Applicant's arguments with respect to claims 1-3 have been considered but are moot in view of the new ground(s) of rejection.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ken A Berck whose telephone number is (703)305-7984. The examiner can normally be reached on Mon-Fri 8:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (703)305-4794. The fax phone numbers

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for the organization where this application or proceeding is assigned are (703)308-7382 for regular communications and (703)308-7382 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

kab

March 25, 2003

NIMESHKUMAR D. PATEL SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800